

ABSTRACT

Micro-emulsions having a binary phase differentiability and active substance differentiability, the production thereof, and their use, particularly for the topical supply of oxygen

The present invention relates to skin-compatible micro-emulsions that are suitable for the treatment of hair and skin, based on a primary W/O micro-emulsions that are converted into both a secondary W/O and into a secondary O/W micro-emulsion, and can contain, in particular, both water-soluble and fat-soluble active substances in stable form. Preferably, the emulsion contains an oxygen binder such as hemoglobin, with which bound bioavailable oxygen, preferably together with other active substances, can be introduced into the skin by means of topical application, in order to support the cell growth of the stratum germinativum. These emulsions can be produced easily, without great technical effort, and can be used both in cosmetics and in medicine (dermatology).